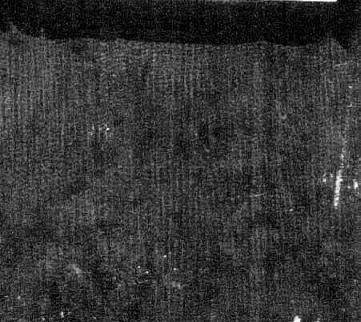


UNITED STATES FISH COMMISSION
STATION RECORDS
Numbers 815 to 858



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"Vester Rake" Dredge
TEMPERATURE RECORD.

Instrument used. % 3
Current number of observation, \$ /3
Date (ling 18 1880
Locality actantee Ocean_
Bearings. Block Island Lyt - n. 22 x N
17 miles
Time of day, 2.15 ; of tide,
State of sky. A
Temperature of air. 72
" surface of water, 72 (41 +37)
" at depth of 5 fathors, 71 (10 f 5%) 20 f 4  " of bottom, 48 (4256)
" of bottom, 48 (U.2582
Depth, in fathoms. 29
Nature of bottom, Sand
Direction of surface carrynt, 22
Force of surface Control // 2/
Direction of bottom correct, 15 mft 5 m
Force of Instancement. " /4 Mile.
Name of vessel, Fish Hank
To what service attached.
Name and rank of commanding officer,
Ly 2 L Lanner
Name and position of observer,
10 00
Forward Lich Mitt.

Libaris & Ext. Finicat.

8 Stringera chemica franca -

### Dredge

#### TEMPERATURE RECORD.

23

Current number of observation, 8/7

Instrument used,

Date, Aug 23

Locality. numy an acto	Bery -
Bearings Brankons Reef Light thips	E/2N
3 miles -	
Time of day, // an ; of tide,	
State of sky, Clean	
Temperature of air. 72	
" surface of water, 68"	(40000)
" at depth of fathoms,	
" of bottom, 63	(42668)
Depth, in fathoms, 10	
Nature of bottom, Land	Maria
Direction of Aurface constitut, Provide S	
Force of surface current, " 2	
Direction of Internation corrects, Drift 9	MATS E
Force of horton ourrent, //	4 mile
Name of vessel, Fresh E.	1
To what service attached. W S f. C	
Name and rank of commanding officer,	Say .
436 3000	
Name and position of observer,	*
For antillich	mill.

Some America a & 8.6. Schimetra comins Horma many. PERATUSE RECORD

Instrument used. 22 3
Current number of observation, 47
Date, aug 230
Locality, harry aresett Buy
Bearing Practices Play Lat Ship E'2
3 1/4 miles
Time of day 11. 20 ; of tide.
State of sky. Clean
Temperature of air, 72
" surface of water, (8
" at depth of fathoms,
" of Bottom, 6,5 - (42668)
Depth, în fathome, 91/2
Nature of bottom, Land
Direction of surface current, Immet
Force of surface correct,
Direction of Indian correct, Lington SE
Force of horson convers. " 4 Mills
Same of vessel. Histo Earle
To what service attached, 20.5 % %
same and rank of commanding officer,
49220000
ame and position of observer,

Tramely

Instrument need, 2. 2
,
Current number of observation, 8/7
Dure. aug 2 3 7
Locality, Harry an auth Bay-
Bearing Street English to and SExt's
Time of day, 1 3 m; of tide,
State of sky, Olean
Temperature of sir, 74
surface of water, 72 /401-57/
at depth of futbons,
" of bottom, 70 (42636)
Depth, in fathoms, 6
Nature of bottom, much
Direction of surface of them. Program S'S m
Force of surface overent,
Direction of bostom-congress, Creek 25 5 m
Force of hostom corrent, " by Male
Name of vessel, Arth Ench
To what service attached. WS 7 C
Name and rank of commanding officer,
H34 Lasonen
Name and position of observer,
2 . F 6.11 . 1 2 32
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## Youne

Instrument used,
Current number of observation. #2.0
Date, aug 23
Locality. Merry ansitt 12 ay
Hearing Sixel Look Defa to: NVE
1/4 mile
Time of day 1.40 p Me : of tide.
State of sky, Chur
Temperature of air, 76
" serrices of water, 72
" at depth of fathous,
" of horizon. 70
Depth, in fathous, 5-/2
Nature of bottom, Murd
Direction of surface current. 1997 M SS W
Force of suchee current, 11 4
Direction of button correct Dridle 17 x5 ,
Forer or bostom carried in the like.
Name of vessel. Hart Hand
To what service attached,
Name and rank of gommanding officer,
the got bringer
Name and position of observer.
and the wife of me

Econthold general Star some can a

### Traine

Instrument used, 2
Current number of observation. & Z/
Date Ling 23
Invalley. Hurry unsett Bury
Bearing And Soll with interest. Ity
1/2 Mile
Time of day, 2, 15 Ph; of tide,
State of sky, Clau
Temperature of air. 78
sarriage of water, 72 (2266)
at depth of fathous, 400-5 7
of bottom. 70 (42434)
Depth, in Eathorns, 5
Nature of bottom, Mark
Direction of surfree arrent, made SS W
Force of surface convent.
Direction of bassam convents, Will S'm
Force of bottom correct. " 1/4 Rike
Name of vosel. Fresh Hand
To what sorvice attached.
Name and rank of commanding officer.
Name and position of observer,
20. Van H. a.k. 1110
- H
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7. 2
Instrument used.
Current number of observation. § 2 2
Date ling 23
Lumbity, Harrisgy see sett in my
Bearings over the and to be it want NE
1/8 mile
Time of day, 3 / ; of tide,
State of sky. Illur
Temperature of air, 78
" surface of water.
" at depth of fathous,
of batton,
Depth, in fathoms, 41/2
Nature of hottom, dans
Direction of surface current, Ward 6 777
Force of surface current.
Direction of hornor current, Durch W
Porce of hottom content.
Name of vessel.
To what service attached, 105 AE
Name and mak of commanding officer.
21 32 Lamen
Name and position of observer,

872. Promise 20. Marions

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#### TEMPERATURE RECORD.

Instrument used. 71 3
Current number of deservations \$23
Date acy 24
Locality. Albertie I was.
Bearing In the wight - Mark heart. 11/2
1/2 miles
Time of day. /2-33-; of tide.
State of sky. G.C.
Temperature of size 74
" Furface of water, 63" (46477)
at depth of 5 fathous, 63. (19f-63)
" of lecton. 60
Depth, in Edwards. 15-/2
Nature of hollom. Aux
Direction of surface convectit. John A. W.
Force of surface surrent.
Direction of Intermediate South NW.
Farmer of historia marchet. is 4 mile
Natural vessel. The House the
To what service attached. 105 7 E
Name and rank of communiting officer.
Fry L Lummer
st st st and

Hobert fill and

Sette Annies tains

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#### TEMPERATURE RECORD.

Instrument used. 21 3
Current number of observation. & 2 &
Date. aug 24
Locality, allantin (Orenes
Bearing Inta Light Wirek prind - 5' 27 47
/ mile -
Time of day. /2 . 3 0 ; of tide.
State of Sty. Clear -
Temperature of sir. 74
" seritor of water, 65
" at depth of 5" fathoms, 63. (10 / 63)
" of hottom, 67 (4366)
Depth, in follows, 13
Nature of homom. Sand
Direction of succession. mark m
Force of surface courses 2, 3
Direction of bonnes with With NW
Forma Communication in 14 inche
Name at versely Fish Human
To what service attached. WS FC
Name and rank of opminanding officer.
The for Lanen
Name and position of abserver,

Walker Which Will

124 REMARKS. PERCENCE. With Commercian . Day Harry . 1 1 122 million Ridnia lameata I trao Rest U 1, el Thing Compton The Elmeum Structum horized to a many installer · autora onities Raia lawie. Cottus op. jus. Loptopetta maculata Price /Emil Citudo o leuron estes amenos concordantous dentatus tara Ermacea " radiala artine of a beclin trunicodiation Bisnotis carolinus Pseudorhombus oblonine.

## Otte freme

Instrument used. 72. 3	
Current number of observation. 823	
Date. any 24	
Locality. Allautic Cleans -	
Bearings. For the Light Block Bland.	msm3
1/4 miles	
Time of day, 1.30 pm; of tide.	
State of sky. Older -	
Temperature of air, 73	entle of
" surface of water, 67	40404
" at depth of 5 fatherns. 6/	1. 1. see 7
of latton, 60	(42666)
Depth, in fathous, 13.	
Nature of bottom. Aand	
Direction of souther recent, 12 met Wil	12
Force of surface correct, 11	
Direction of bostom current Louds	rm
Force of bottom current:	/2 mile
Name of vessel, Fish Hours	<u>_</u>
To what service attached, 20 5 76	
Name and rank of commanding officer,	
HAL Lumen	•
Name and position of observer.	

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Estadorhombus dentatus, Lophopoetta maculata. Coendo o leuron eches amissanos. Coendo o leuron eches amissanos.

### stredge

Instrument used. 22
Current number of observation, & Z 6
Date. Aug 24 Locality. Ollerative lecens -
Bearings. horth Light Block island - mrn 'z
Time of day, Z. 40 ; of tide,
State of sky. Clima
Temperature of air. 73
" surface of water, 67 (46 455)
" at depth of 5 fathoms, 66
" of bottom, 57 (4 == 27)
Depth, in fathous. 22
Nature of bottom, Aund
Direction of surface current, mmd &
Force of surface ourseas, most 3
Direction of bottom warms, March SS W.
Name of vessel, Jish Harte
To what service attached, wif 70
Name and rank of commanding officer,
Di I'm Farmer - Wing.
Name and position of observer,

TEMPERATURE RECORD.

Instritt	pest used.	W3		
Curren	t mandeet a	of observation,	82	7
	aug			
Localit	s, J	llanti	Ocem	
Bearing	it. Tours	Jug 14 21	ch fale.	-Carkn
2/2	will	la		
Time	fday. 3,	03 ; :	f tide,	
State o	rsky. O	lem		
Тещн	ndure of a	ir. 71		
	surf	ace of water. 6	7	(46400)
1.4	स्थ व	epth of 5	fathems, 66	
1.4	աքհ	ottom, 57		(40007
Depth,	in fathoms	201/2		
		. Dan	1	
Dîrectî	on of s <del>ard</del>	on oursent, M	mel S	
Pome	ः ि⊓ <del>श्रम्भित्र</del> ा	-arrent. 72	ner 3	
Directi	ng of both	moramon Gr	ash.	
Force of	of borrows	Ah.		
Name	at saecad,	Zich	The way	k)
To wh	a service :	attached, L	17C	
Name	ged rank e	of communities of	elljuset.	
1	13	I Lum		: 12 -
	6	n of observer,	C	Land of the Land

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827 Prais Emis.

Instrument used. 33
Current number of observation. & 2 8
Date Ing 25
Locality, allante 1161 am.
Bearings harth at the reland Smy 17 4
21/2 millio-
Time of day /2.40 ; of tide,
State of sky. Atomay -
Temperature of air. 76
" surface of water. 66 (4640F)
at depth of fathous,
" of bottom. 60 (407-77)
Depth, in fathoms, 15
Nature of bottom, Aund
Direction of surface oursess. World NN E
Force of surface current, 2 mil
Direction of Indian warrent, Duff EIE.
Prove of tother operate. 4 Mills
Name of vessel. Joil Ronk
To what service attached, 24 /10
Name and rank of commanding officer,
213 L Farmen
Name and position of observer,

Attalema unidenda Centena Tubh tyo. Process sandy describera. her man a shello-

Instrument used. 11.3-82.9
Current number of observation. 829
Date, duy 27
Locality Of Later met Person -
Bearings Com and Rock norx 2
mile
Time of day. 10,45 ; of tide,
State of -ky, Cleur
Temperature of sir. 63.
" surface of water. (c. (c. (464))
" at depth of fathons.
" of bottom, 65
Depth, in fathoms, 9
Nature of Lottorp. Retty - Smul + places
Direction of Interview. Mind 2 enel.
Force of surface current, much
Direction of instrumentalist, Length . Sx &
Former bourse or were it is alrest for for fine
Name of vessel. Fish Harrie
To what service attached, MA AC
Name and early of commanding officer.
V
Name and position of observer,

Appropriate monecular on Addition for the second to the se

### Lenedye

1, 2-
Instrument used. 20 3
Current number of observation, \$30
Date, J. 192 _ 7
Locality Of Jan Porison
Meanings mant mande 2585 1
3/4 11:-c
Time of day, //. /3 ; of tide.
State of sky, Olice
Temperature of air, 44
" surface of water. 66 (4 2664
" at depth of fathours.
" of bottom, 65" (46727)
Depth, in fathous, 10/2
Nature of bottom. Acred
Direction of surface contract. Breed
Force of serious surrent, Print 2
Direction of Instrumentary, Light 718-28
Name of vessel. I de the the
To what service attached, WAZC
Name and rank of commanding officer.
112. L. Laner mi
Name and position of observer,
Fl Wan I lill male

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Z	
Instrument used, 3 2	
Current number of observation, > 3/	
Date, arry 27.	
Locality, Says and Porta.	
Bearings Junth End Freich Folge	/
n 472 360 yarde.	
Time of day 12. 30 its; of title,	
State of sky. Elec.	
Temperature of air, (6	
" surface of water, 71 (9)	2666
" at depth of fatheris.	
" of bottom, "I' (40	r27)
Depth, in fathous, 6	
Nature of Intion. Block Much	
Direction of surface correct. Till & LE	
Force of surface correct, march	
Direction of bottom comment. Aligh S Father of Lordon comment. 4 Mile	
Franciscon in 4 Mile	
Name of vessel, Fish Reach	
To what service attached, WFC	
Name and rank of commanding officer,	
113 L. Larrier	
Name and position of observer,	
Fo your list new,	

Tracela Aronima Victia Limitala

## House TEMPERATURE RECORD.

Instrument used. N 2	
Current number of observation. \$32	
Date, any 17	
Locality. Aukomet Ruis	
Bearings, N. End Statel Faland	22 1 2 A
150 Junes	
Time of day, /Z, WJ ; of tide.	
State of sky. Clear	
Temperature of air. 70	
" surface of water. 7/	(42666)
" at depth of fathous,	
of bottom, 7/	(40007)
Depth, in fathoms, 🔏 9	
Nature of homon, Blk much -	
Direction of southern west. Truck & &	
Force of suffice oursets. Would /	
Direction of hoters correct. High 5' rect 12 right to m	
Force of hostomerskent. 4 mm	_
Name of vessel. Fish Hank	
To what service attached. US XC	7
Name and rank of commanding officer.	
43x Zamen	
Name and position of observer,	

Ac. & Your hix mill

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dealer Ruke Brustye

2 3
Instrument used. 22 3
Current number of observation, 633
Date, Gog 27
Locality Local Same of Markey -
Bearings Level Sand As Col Balant - Ze
100 ford 21
Time of day, / pm ; of tide.
State of sky, Clear
Temperature of air, 70
" surface of water, 71 (4266)
" at depth of fathems,
" of bottom, 7/ (40057)
Hopath, in fathours, 6/2
Nature of bottom, Land -
Direction of surface correct, howel JE
Force of surface editions, Morel
Direction of Letton current, Muft 5 With Muft 19 March 14 Muft
Name of vessel. Lake Party
To what service attached. WA 7 C
Name and rank of commanding officer.
Name and position of observer,
J. Maul wit mo

Home in amelia and in

Chester Take Lendye -

#### TEMPERATURE RECORD.

Instrument used. 21 3_	
Current number of observation, \$ 74.	
Date, Bug 27	
Locality. Interest Buts -	
Bearings. Mc Carry's Point m.S.	77:
4 7111	
Time of day, 1, 30 ; of tide,	
State of sky. Clear	
Temperature of air, 63	
~ surface of water, 73	142666)
" at depth of fathous,	
of bastens. 7/	(4000
Depth, in fathous, 11	
Nature of hottom. Accord -	
Direction of surface current. Bearly &	
Force of suches correct. The de Z	
Direction of bottom corrects, 12 all 19. 1 & Head France of bottom corrects. I had for the first of make	
Name of vessel. Fish Hank	
To what service attached. LL X C	
Name and rank of commanding officer,	
It 3 & Townson	
Name and position of observer,	,

At . You I had now

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Current number of observation. \$33

Instrument used,

Pate, aug 27
Locality. Sockomet River.
Bearings The Courses Fin A 148-
1/4 miles
Time of day, 1,50 ; of tide.
State of sky, Clear
Temperature of air. 68
" surface of water, 73 1/266
" at depth of fathoms,
" of bottom. 71
Depth, in fathous, 3/2
Nature of lactons, Malle
Direction of surface current, World SE
Force of surface and 2
Direction of in the more of the former of holicon convenient by the
Name of vessel. Fish Hunte
To what service attached. Us FC
Name and rank of commanding officer,
It I Lamen
Name and position of observer,
He New Y bick MINO

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#### TEMPERATURE RECORD.

Instrument used. h 3
Current number of observation. 837
Date, aug 27
Locality. Lakermet River
Bearings, Block Porch NINXIN 2 1.
1/2 mile
Time of day, 2 .43 ; of tide.
State of sky, Ellew
Temperature of air. 6 9
- surface of water, 71 42666
" at depth of fathons,
" of hottom. 41 4000 7
Depth, in fathous, 4
Nature of bottom, Band
Direction of surface purpose, Warrel 52 C
Force of surface correct, do 2
Direction of Lands Sy E
Head which
Name of vessel. Kick Hand
To what service attached, 24 / 2
Name and rank of commanding officer,
LY L Larmen
Name and position of observer,

J. C. Vaca V Seit 1 10 10

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#### REMARKS.

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#### TEMPERATURE RECORD.

Instrument used. 72 3	
Current number of observation, 838	
Date, ary 27	
Locality, Sakonneh Romer	
Bearings Marks The Mr.	· /^
mile	
Time of day, J /3 - ; of tide.	
State of sky, Clear	
Temperature of air. 66	
surface of water. 70	(42666
at depth of fathous.	
" of bottom, (8	(40007
Depth, in fathous. 5	. ,
Nature of bottom, Aand	
Direction of surface mirrorit. Wind RAE	
Form of surface out of 2	
Wiredian of International March Jx C. History of International, 4 marks	
,	
Name of veryol. Fish Hank	
To what service attached. WS 7 C	
Name and rank of commanding officer,	
It 3 7 Lanner	
Name and position of observer,	

Dr F.c Yawklich

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Ludge

Instrument used, 2
Current number of observation, \$39
Date. ary 3) xt
Lucality. normy west Bory
Bearings Lumperings north
300 fords
Time of day, 9.50 ; of tide.
State of sky, L C
Temperature of air. 67
" surface of water, 67
" at depth of 5 futhoms, 62. (10 f - 65)  of bottom, 61
of bottom. 61 (40007)
Depth, in fathoms, 27 1/2
Nature of bottom. Strend -
Direction of surface surrent. Franch NY &
Force of - information do 2
Direction of bottom water the March A W
Private of Lander of Land Mich 12 W
Name of vessel. Fish Hould
To what service attached. W & F & C
Name and rank of commanding officer,
It of L Lannen
Name and position of observer,
As the Van Vliet

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## Drefge

Instrument used. N 3.
Current number of observation. 840
Date, ary 31
Locality. The sand the left life
Bearings Sumperinge. nxm2:
100 Lines
Time of day, 10. 05 ; of tide,
State of sky. L C
Temperature of air. 67
" surface of water, §7 (42666
" surface of water, 17 (92666) " at depth of 5 fathoms, 15 (70) (45)
" of bottom, 61 4070 7
Depth, in fathons, 20 1/2
Nature of bottom. Thousand
Direction of surface correct. World Nr.
Force of su <del>ches corrent</del> , 1, 2
Direction of hottom care at. Life
Which Herfth
Name of vessel. Fish Florite
To what service attached, USFC
Name and rank of commanding officer,
IN 3 & Lumen
Name and position of observer,
fly 7.6 Vers Klick

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### TEMPERATURE RECORD.

Instrument used. R Z
Current number of observation, 84/
Date. 1.19 - 31
Locality. The regerest Bay
Date 1.19-31 Locality Million generalth Bay Bearing Phone Blood fat. NE 82 4 6
1/8 mile
Time of day, 11, 43 ; of tide,
State of sky, L C
Temperature of air. ( >
" surface of water, 67 (426).
" at depth of 5 fathoms, 67 (10 / 63)
" of bottom. 60 (40727
Bepth, in fathems, 21
Nature of bottom, Smal.
Direction of surface ourset, wind & Z & &
Form of milion marcon, do 2
Direction of Lations corrects.
From International 1/4 Timbe
Name of vessel, dish Land
To what service attached, WS 7 C
Name and rank of commanding officer,
Lient 11 S. Lasures
Name and position of observer,

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Instrument used, 22 3-
Current number of observation, 842
Date. aug 31
Locality. Frances west Pour.
Bouring Land Ward Light 5 h & 1/2 2
Time of day. Jum ; of tide.
State of sky. Clear
Temperature of air. 6 9
surface of water, 67 (426
" at depth of fathoms.
" of bottom. 67 (4177)
Depth, in fathous, 8
Nature of bottom. Aand
Direction of surface correct. 2 small Euch
Force of sentine content, 72 mil
Direction of leathern content, March
Name of vossel. Fish Henrik
To what service attached. W 5 7 C
Name and rank of commanding officer,
hack fit themen
Natue and position of observer,
Month & von Mich

### Traul

Instrument used. R 3
Current number of observation, 843
Dute, Duy 3/ 1880
Bearing N. Lot A year Brand 165 2 &
Bearing N. Lot A year Frank 168 28
4 mile
Time of day, /2, 72 ; of tide.
State of sky. Olar
Temperature of air. 69
surface of water. 69 (4266)
" at depth of 5 hathoms, 67
" of bottom 63 (40777)
Depth, in fathers. /4/2
Nature of bottom, June -
Direction of mineround 2 2 cet
Force of surface and do 3
Direction of Later Court Mariet N
Force of homomorphism. Ly Wille
Name of vissel. Finely Hank
To what service attached, W. J. F. E.
Name and rank of commanding officer,
Lienx & L La men
Name and position of disserver.
Dow H. C. Van Mich

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In-trument used. 7, 3	
Current number of observation, 844	
Date. Only 31	
Locality. Homegan 2. 18 th 2005	
Boarings N. End Agent Hand AE 1/2	٤
4 mile	
Time of day, [2,30 ; of tide.	
State of sky. Eller	
Temperature of air. 70	
" surface of water, 69	(42666)
" at depth of \$ fathous, 67	
" of hottom, 63	(40007
Depth, in fathers. // /2	(,,,,,,,
Nature of hollown. Aung	
Direction of surface corrects 9222 &	
Force of surface surrent. olo 2	
Direction of Commencer of 16 and 18 and	12
Person of batters derroit. 1/4	Pivice
Name of vessel. Fish Hearte	
To what sorvice attached. W. f. 7. C.	
Name and rank of commanding officer,	
Lich J. L. Lannen	
Name and position of observer,	
Now Fee Van Vil	

Laminaria. Detrino La vil Brini Wa north They will be to the to the Fritte a jos de august Timo and the second of the second of the Jana - Marin named to diesens

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#### TEMPERATURE RECORD.

Ha F. C. Yan V. bick

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#### REMARKS.

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# Chester Roke Drige

Instrument used. 22	
Current number of observation, 848	
Date, Occu 31	
Locality. Muney un at the Bury	
Bosines Predence ight 1/x & & &	
1/2 Thile -	
Time of day. /, 33 ; of tide.	
State of sky. Eller	
Temperature of air. 70	
" surface of water. 6 & (4252	ć,
" at depth of 5 fathous, 67	
of lations, 63	<i>z 7</i>
Depth, in fathous. 141/2	
Nature of honom, Aracel	
Direction of surface current, 200 L	
Force of surface corrects, 777 -6	
Direction of bottom corrent. & H &	
Fred harmondent. 1/4 nucle	
Name of vessel, finh there the	
To what service attached. W & FC	
Name and tank of commanding officer.	
Luit 3 L Lanne	

Mr H.S. Yan Klich

Name and position of observer,

Britisha Brigaria. Ta Can un (young) Many Mil La

### Tomer ( TEMPERATURE RECORD.

Instrument used. 20 32	
Current number of observation. 847	
Date. Chief 31	
Locality, The register of The Ite.	
Bearings to No.	72
mile	
Time of day, Z . /3 : of tide.	
State of sky, Leave	
Temperature of air. 70	
" surface of water, 6 &	(42666)
" at depth of 5 fathous, 68	
of bottom. 6 2	(40.77)
Depth, in fathous. /2 1/2	
Nature of bottom, Mund	
Direction of surface trevent. 17:12 Ence	*
Force of surface secret old 3	
Direction of International Built NN	٤_
F L.)	200
Name of vessel. That There &	
To what service attached. 2 S. A.C.	
Name and rank of commanding officer,	
Luck BL Large	/
Name and position of observer,	

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Instrument used. 71 3
Cutrent number of observation.
Pare, Clay 31
Locality, Therry and It I Beng
Bearings Simples Sie - Earl
1/2 mile
Time of day. 3 ; of tide,
State of sky. Oller
Temperature of air. 69
" surface of water, 68 (42656)
" at depth of 5" fathours. 68. (10 f 67)  " of hoston. 62 (4222)
" of hottom. 62 (4222)
Depth, in fatherns, /5 /2
Nature of bottom, nind,
Direction of su <del>rface commen</del> . Nevel 5°E
Force of suches current. do 3
Direction of Later march light the Print March 14 Mm
Name of vessel, Fish Hands
To what service attached. U.S.F.C.
Name and rank of commanding officer.
Luch 32 Lanow
Name and position of observer.
1
Her Fi Von Vlick

8-3 REMARKS. there decidences girappienerically andie a cont Lothornite mosular I stroke then were I do not Alexania day Phycia Dines Connexeur, regario Her Styler as oder for such

## Chester Palo Levelge

Instrument used. N 2
Current number of observation, 849
Current number of observation. 849  Date, Sefet 1st  Locality, Tiggrang unsett 1304-  Bearings Stellumpling my 21  14 mile
Locality. Tigerray unsell 1304-
Bearings Letterpling. 17 4 17
1/4 mile
Time of day, 9, 20 ; of tide, the
State of sky, Ellow
Temperature of air. 67
" surface of water, 67 (4264)
" at depth of 5 fathons, - 67. (10 f 66)
of bottom, 62.
Depth. in fathous. 20
Nature of bottom, Aund
Direction of orthogonal. Transl Variable
Force of suction current.
Direction of Particular March Son
For of horizon content. & Trule
Name of vessel, Fish Hank
To what service attached. WS 7 C
Name and rank of commanding other,
Lich 3 L Farmer
Name and position of observer.
Dr 1 C Van V. Erch

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#### REMARKS.

Alexandro, Esterias valgarios Asterias Horlissie. Empreseres longre empres Enterella surgeria obserta Empreseres publicares Califor herealis Lucias desealis Lyndon tres publicares

# herter , lake Herestye

Instrument used, 7t 3
Current number of observation, 857
Date, Light 1
Locality. Murris and west to being
Bearing Flumpling. EUE 2 &
1/2 mile
Time of day, 9, 40 ; of tide, Ell
Sinte of sky. Clear
Temperature of air, 67
" surface of water, 67 (4 266.
" at depth of 5 fathonis 67 (19 66)
" of bottom, 63
Depth, in fathous, 14/2
Nature of bottom, Shelly.
Direction of surfacement, have Earl
Force of surface reserved alo 21
Direction of bottom comments which ISm
teich Herth
, , , , ,
Table Assisting
Fo what service attached. W S 7 C
Name and rank of commanding officer,
Leit 3 L Lumen
Name and position of observer,
Mr Je C Yaw Vlich

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## REMARKS.

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chester , Luke herrye

Instrument used, A 3	
Current number of observation, \$5-7	
Date. Sept 12	
Locality. navery susett I berg	
Bearings Leaven Lail Ly Lh S' Th	\$ 200
1 4 miles	
Time of day, 10 ; of tide, Elike	
State of sky. When	
Temperature of air, 66	
surface of water, 67	(42666)
" at depth of 5 fathous, 66	
" of bustons. 66	(40007
Depth, in fathons, 12 1/2	
Nature of bostom, Sund	
Direction of surface surrout. Frank AE	
Force of surfamentions do 2	
Direction of bottom arrow, Heigh	hule
Same of vessel. Fish Hault	
To what service attached. WS 75 C	
Name and papir of commanding officer,	
It 3 L Lames	
Name and position of observer.	
Her Fre Vun Vlich	

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## TEMPERATURE RECORD.

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Current number of observation. & 2

Instrument used.

Date. 24/221	
Locality. Per the congress of the	132-1-
Bearings of Lesson and Light J	of min
2 & miles	4
Time of day. 10, 35 ; of tide, The	
State of sky. Oland	
Temperature of nir. 67	
" surface of water, 76 67	(42566)
at depth of fathous,	- 41
" of bottom, GC	(4000)
Depth, in fathous, $\mathcal{Z}^{\prime\prime}_{2}$	
Nature of bottom, Aand	
Direction of surface courses, Most	E/-
Force of sutting correct. plo	/
Direction of battom corrects, Much	<u>ک</u>
te et men. High	1/4 miles
Name of vessel Fish Here	, ,
To what service attached. WS 7 C	-
Name and rank of commanding officer.	
went or L Lun	
Name and position of observer,	موسورات
Un F. C. Yun V. Su	11
mil channel in new chare	al.
Paris	

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## TEMPERATURE RECORD.

Instrument used,

Date. Light 1th

Current number of observation. 8533

Bearings Blacker Act Light - STY & S
2 miles
Time of day. 10 , 50 ; of tide, Elec
Sinte of sky. Ollaw
Temperature of air. 6 8
surface of water. 76 67 42866
at depth of fathons.
of bottom. 67 4000
Depth, in fathous, 4//2
Nature of hottom, Aund
Direction of surface corrects. Mand
Force of sources correct. do
Direction of Intermediate Striph S
The of human water 1/4 miles
Name of vessel, Fish Hamk
To what service attached, W. S. F.
Name and rank of commanding officer,
French My L Lamen
Name and position of observer,
Hen Fl Van Vlick
15te - mid channel in machinela
Evne.

Formand america Formand America Livinia Linarginia ta Roligo Rential Forhoposetta mandala Prendestandes dentadas Prendestanomentes americanos Pleno tomas Arganales Cyposeina repalia Privocolus Cervinas Landofalamos adea prendes

## TANUT TEMPERATURE RECORD.

Instrument used. 12 3	
Current number of observation, 83-4	
Dates 12 6 d. 122	
Locality narroganizate 3012	
Bearing Bears til light 5 %	1. S
13/4 miles	4
Time of day 11. 10 : of tide Lake	
State of sky, Elevin	
Temperature of air. 69	
surface of water. 47	42666
at depth of fathous.	
of hotton, 67	4000
Depth, in fathers, 6	
Nature of bottom. Aund -	
Direction of surface correct. Third SE	
Force of surface convent. do	
Direction of bottom rentron thingh 5	
Formas incommented to 11.	4 mile
Name of vessel. Fish Hunk	
To what service attached, USFC	
Nature and rank of commanding officer,	
Lent of L Lame	- Tw
Name and position of observer,	
Hen & C Vaw Which	
i constant of the	

Larve the deter ac - hoch Lineral Pary Memus Florence america surs Menitomus argyrops Prionolus Caralinus Preudentemans deutalies Landizolalius ades frances render blume ete dineri canas tofforetta manifula Elmadeim regules

## Yruca.C. TEMPERATURE RECORD.

Instrument used. 22 3	
Current number of observation.	
Date. Lefsh 1 24	
Locality Massagannett Stray	
Bearings By were said sight S'WYS	
a miles	
Time of day, 11. 40 ; of side, Elle	
State of sky, Olar	
Temperature of air, 70	
surface of water, 68 42616	
" at depth of fathoms,	
of hattom, 68 4300;	,
Depth, in fathours, $3\frac{7}{2}$	
Nature of bottom, for Aund	
Direction of surface appears, France	
Force of surface current. do	
Direction of Interior Correct, Louise	
Francis Content marchi. do 1/4 mill	
Same of vessel, Fish Handy	
To what service attached. WS FC	
Name and rank of commanding officer,	
Level of L Loven	
Name and position of observer,	
11 2 2 20 201 1	

Paia exincides Chilichthys lungisters Henolomus Christops Pressphinne Christian Lophopette maculates Lyng nathus fusure Pribrolins Carolinas

# Gester Kufas Klassyl

Instrument used, A 3	
Current number of observation. 85-6	
Date. Asph. 1 22	
Bearings Lun tal Light 5 m	and a second
Bearings. Lever tail Kight S'W	2500
11/8 miles	
Time of day. 12,0 5 ; of tide.	
State of sky. Olen	
Temperature of air. 6 9	
" surface of water. 68	4266:
" at depth of 5 fathous,	,
" of hortons. 67	410
Depth, in fathoms, //	
Nature of bottom, Smill .	
Direction of surface corrects. World &	
Force of -article correct. Olo . 2	
Direction of bottom corean. Louth SS	٤.
Proper of Continue course to de /4	muce
Name of viscosit. Fish Hamle	
To what service attached. 205 \$ C	
Name and rank of commanding officer,	
113 L Lanne	2
Name and position of observer,	
Her to Van Vlie	1

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Enjerina totandian

# Chester lake Hereoge.

## TEMPERATURE RECORD.

Instrument used, 72 3	
Current number of observation. 83.7	
Date, Nelst 1 31-	
Bearings Bener tool Light - WS	222
1/10 Will	4
Time of day. 12, 35 ; of tide.	
State of sky, L. C-	
Temperature of air. 69	
" surface of water. 43	42666
" at depth of 10 fathoms.66.5	4-000
60	40007
Depth, in fathous, 19-	
Nature of hottom, Land-	
Direction of surface areat, mnd AE	
Force of surface current. do 2	
Direction of both in current. Light 28	
Heist Bottom current. do 1/4	mile.
	The same of the sa
Name of vessel, Fish Hank	
To what service attached. WSAC	
Name and rank of commanding officer,	
Leit 3 L Zuman	
Name and position of observer,	-

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Large quantities Laminaines tocker sea rucelo

## Chester Rake Alselge TEMPERATURE RECORD.

Instrument used. 71 7
Current number of observation, 81
Date, Leph 12
Locality, narryaniott Bay
Locality, narry ansett Bay Bearings Bearen tail Light now 1/4 n
1/3 mile
Time of day, 10 5 ; of tide. flord
State of sky, Clear
Temperature of air. 69
" surface of water. 63 42666
" at depth of D fathoms, 66.5
" of hottom, 66 40007
Depth, in fathoms, 14
Nature of hottom, Melly -
Direction of surface current, Movel 2 (
Force of surface current, do Z
Direction of hottom current. Length
first of homeon consent. do 1/4 mile
Name of vessel, Lish Hunh
To what service attached. WS 7C
LA 3 L Larren
Name and position of observer,
Same and position of observer,

Alor Fe Yan Klick